

Title (en)

IMAGE CORRECTION DESIGN SYSTEM AND METHOD FOR ORAL AND MAXILLOFACIAL SURGERY

Title (de)

BILDKORREKTURENTWURFSSYSTEM UND VERFAHREN FÜR ORALE UND MAXILLOFAZIALE CHIRURGIE

Title (fr)

SYSTÈME ET MÉTHODE DE CONCEPTION ET DE CORRECTION D'IMAGE POUR UNE CHIRURGIE ORALE ET MAXILLO-FACIALE

Publication

EP 3308711 A4 20190220 (EN)

Application

EP 15894596 A 20150609

Priority

CN 2015081083 W 20150609

Abstract (en)

[origin: EP3308711A1] An image correction design system for an oral and maxillofacial surgery. The image correction design system comprises: a first image data scanning module for scanning to obtain image data of relative coordinate positions of maxillofacial bones, teeth, and soft tissues; a second image data scanning module for scanning image data of a plaster dental impression of a patient; a scanning image correction and comparison module for correcting and comparing the image data from the first image data scanning module and the image data from the second image data scanning module and performing archiving to obtain first archives; an image block calculation module for performing an image layer management and block cutting display of the first archives to obtain second archives; a surgery simulation image design module for inputting a surgery data parameter for the second archives after the image layer management and cut block display, so as to design and establish surgery simulation image files; and an output module for outputting the surgery simulation image files by using a display device.

IPC 8 full level

A61B 6/14 (2006.01); **A61B 34/10** (2016.01); **G06K 9/62** (2006.01); **G06T 5/00** (2006.01); **G06T 7/00** (2017.01); **G16H 20/40** (2018.01); **G16H 30/40** (2018.01); **G16H 50/50** (2018.01)

CPC (source: EP KR US)

A61B 6/51 (2024.01 - EP KR US); **A61B 34/10** (2016.02 - US); **G06T 5/70** (2024.01 - US); **G06T 7/0014** (2013.01 - US); **G16H 20/40** (2018.01 - EP US); **G16H 30/40** (2018.01 - US); **G16H 50/50** (2018.01 - EP US); **A61B 2034/104** (2016.02 - US); **A61B 2034/105** (2016.02 - US); **G06T 2200/04** (2013.01 - US); **G06T 2207/10081** (2013.01 - US); **G06T 2207/30036** (2013.01 - US)

Citation (search report)

[I] US 2009311647 A1 20091217 - FANG JING-JING [TW], et al

Designated contracting state (EPC)

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